INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP96/02113

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl^6 A23L1/325, A23L3/365

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int. Cl^6 A23L1/325, A23L1/326, A23L3/36, A23L3/365

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP, 53-34958, A (K.K. Kanemaru Morita Shoten), March 31, 1978 (31. 03. 78), Page 1, claim; page 2, upper right column, line 15 to page 3, upper left column, line 8 (Family: none)	1 - 7
Y	JP, 60-70049, A (Ajinomoto Co., Inc.), April 20, 1985 (20. 04. 85), Claim; example 2 (Family: none)	1 - 7
Y	JP, 2-253860, A (Iwai Kikai Kogyo Co., Ltd.), October 12, 1990 (12. 10. 90), Page 2, lower right column, lines 8 to 12; page 4, lower right column, line 14 to page 5, upper right column, line 14 (Family: none)	1 - 7
Y	JP, 6-133739, A (Frontier Engineering), May 17, 1994 (17. 05. 94)(Family: none)	6, 7

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
October 21, 1996 (21. 10. 96)	October 29, 1996 (29. 10. 96)
Name and mailing address of the ISA/ Japanese Patent Office Facsimile No.	Authorized officer Telephone No.

PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

To:

United States Patent and Trademark Office
(Box PCT)
Crystal Plaza 2
Washington, DC 20231
ETATS-UNIS D'AMERIQUE

in its capacity as elected Office

Date of mailing (day/month/year) 10 March 1997 (10.03.97)	
International application No. PCT/JP96/02113	**Applicant's or agent's file reference** YCT-253
International filing date (day/month/year) 26 July 1996 (26.07.96)	**Priority date** (day/month/year) 28 July 1995 (28.07.95)
Applicant HOASHI, Masahito et al	

1. The designated Office is hereby notified of its election made:

[X] in the demand filed with the International Preliminary Examining Authority on:

25 February 1997 (25.02.97)

[ ] in a notice effecting later election filed with the International Bureau on:

2. The election [X] was

[ ] was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer

K. Takada

Telephone No.: (41-22) 730.91.11

PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION CONCERNING DOCUMENT TRANSMITTED

To:

United States Patent and Trademark Office
(Box PCT)
Crystal Plaza 2
Washington, DC 20231
ETATS-UNIS D'AMERIQUE

in its capacity as elected Office

Date of mailing (day/month/year)	
26 March 1998 (26.03.98)	
International application No.	**International filing date** (day/month/year)
PCT/JP96/02113	26 July 1996 (26.07.96)
Applicant	
KABUSHIKIKAISHA KIBUN SHOKUHIN et al	

The International Bureau transmits herewith the following documents and number thereof:

_____ copy of the English translation of the international preliminary examination report (Article 36(3)(a))

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Sean Taylor
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38

09/600366
Translation

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference Le A 32 770-PC SCJ	**FOR FURTHER ACTION**	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)
International application No. PCT/EP99/00038	International filing date (*day/month/year*) 07 January 1999 (07.01.99)	Priority date (*day/month/year*) 20 January 1998 (20.01.98)
International Patent Classification (IPC) or national classification and IPC C08F 210/18		
Applicant BAYER AKTIENGESELLSCHAFT		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 5 sheets, including this cover sheet.

☐ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of _____ sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☒ Certain observations on the international application

Date of submission of the demand 27 July 1999 (27.07.99)	Date of completion of this report 17 March 2000 (17.03.2000)
Name and mailing address of the IPEA/EP Facsimile No.	Authorized officer Telephone No.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.
PCT/EP99/00038

I. Basis of the report

1. This report has been drawn on the basis of (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.*):

☐ the international application as originally filed.

☒ the description, pages 1-11, as originally filed,
pages _____, filed with the demand,
pages _____, filed with the letter of _____.
pages _____, filed with the letter of _____.

☒ the claims, Nos. 1-18, as originally filed,
Nos. _____, as amended under Article 19,
Nos. _____, filed with the demand,
Nos. _____, filed with the letter of _____,
Nos. _____, filed with the letter of _____.

☐ the drawings, sheets/fig _____, as originally filed,
sheets/fig _____, filed with the demand,
sheets/fig _____, filed with the letter of _____,
sheets/fig _____, filed with the letter of _____.

2. The amendments have resulted in the cancellation of:

☐ the description, pages _____
☐ the claims, Nos. _____
☐ the drawings, sheets/fig _____

3. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

4. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims		YES
	Claims	1-18	NO
Inventive step (IS)	Claims		YES
	Claims	1-18	NO
Industrial applicability (IA)	Claims	1-18	YES
	Claims		NO

2. Citations and explanations

1. EP-A-0 570 966 discloses resin particles ideally with a core comprising a sticky polymer (e.g. EPDM) and a shell comprising a mixture of said sticky polymer and an inert particulate material. For process reasons, however, the core also contains inert particulate material (< 10%) (Claims 1, 4, 5 and 6; page 7, lines 1-19; Figure 4). The inert particulate material is introduced into the reactor and therefore clearly comes into contact with all monomers (including those that are highly volatile) (page 4, lines 7-10; page 6, lines 13-14).

The method as per Claim 1 is novel, since only the low-volatility-monomers are supported (PCT Article 33(2)).

The wording of the present Claim 17 does not rule out that the shell comprises not only polymerised diene, but EPDM that contains inert material. Claim 17 is therefore not novel over EP'966 (PCT Article 33(2)).

The use of the inert particulate material has only an advantageous influence on the method as such (no

instability, possibly better yields). It is not, however, indicated what influence the claimed method has on the moulded bodies per se, and to what extent the moulded bodies per se differ, by means of the new method, from such moulded bodies that were produced using conventional methods. Claim 18 is therefore likewise anticipated by EP'966.

2. EP-A-0 697 421 describes a method in which high-boiling liquid monomers (e.g. butadiene) are(homo)polymerised in a gas phase reactor, the monomers being absorbed onto solid particles. Said particles can, for example, be identical to or different from the polymer that is produced (Claim 7; page 3, lines 16-23, 29-37; page 4, lines 23-26). The application does not rule out polymers as the inert particulate material.

Consequently, Claim 1 does not appear to be novel over EP'421 (PCT Article 33(2)).

VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

1. Claim 17 is unclear, since the shell cannot consist of the unpolymerised supported diene monomer (PCT Article 6).

2. It is not clear from the application to what extent the resulting polymer (or moulded body) still contains the inert particulate material (PCT Article 6).

3. Claims 2 and 15-18 are not supported by the description (PCT Article 6).

4. The expression "low volatility" is relative and undefined (PCT Article 6).

PATENT COOPERATION TREATY

PCT TRANSLATION

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference YCT-253	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)
International application No. PCT/JP 96/02113	International filing date (day/month /year) 26.07.96	Priority date (day/month/year) 28.07.95
International Patent Classification (IPC) or national classification and IPC A23L1/325, A23L1/326, A23L3/36, A23L3/365		
Applicant KABUSHIKIKAISHA KIBUN SHOKUHIN		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 3 sheets, including this cover sheet.

   [X] This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

   These annexes consist of a total of 1 sheets.

3. This report contains indications relating to the following items:

   - I [X] Basis of the report
   - II [ ] Priority
   - III [ ] Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
   - IV [ ] Lack of unity of the invention
   - V [X] Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability: citations and explanations supporting such statement
   - VI [ ] Certain documents cited
   - VII [ ] Certain defects in the international application
   - VIII [ ] Certain observations on the international application

Date of submission of the demand 25.02.97	Date of completion of this report 24.09.97
Name and mailing address of the IPEA/JP Facsimile N .	Authorized officer Telephone N .

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International Application No.
PCT/JP96/02113

I. Basis of the report

1. This report has been drawn on the basis of *(Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.)*:

☐ the international application as originally filed.

☒ the description, pages 1-9, as originally filed,
pages _____, filed with the demand,
pages _____, filed with the letter of _____,
pages _____, filed with the letter of _____.

☒ the claims, Nos. 1, as originally filed,
Nos. _____, as amended under Article19,
Nos. _____, filed with the demand,
Nos. 2-9, filed with the letter of 28.07.97,
Nos. _____, filed with the letter of _____.

☒ the drawings, ~~sheets~~/fig 1, as originally filed,
sheets/fig _____, filed with the demand,
sheets/fig _____, filed with the letter of _____,
sheets/fig _____, filed with the letter of _____.

2. The amendments have resulted in the cancellation of:

☐ the description, pages _____
☐ the claims, Nos. _____
☐ the drawings, sheets/fig _____

3. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

4. Additional observations, if necessary:

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application N .
PCT/JP 96/02113

V. Reasoned statement under Articl 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-9	YES
	Claims		NO
Inventive step (IS)	Claims	1-9	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-9	YES
	Claims		NO

2. Citations and explanations

The inventions of claims 1-9 appear to be novel and to involve an inventive step when compared with the documents cited in the ISR.

US

特　許　協　力　条　約

PCT

国際調査報告

（法８条、法施行規則第40、41条）
〔ＰＣＴ１８条、ＰＣＴ規則43、44〕

出願人又は代理人 の書類記号　　ＹＣＴ－２５３	今後の手続きについては、国際調査報告の送付通知様式（ＰＣＴ／ＩＳＡ／２２０）及び下記５を参照すること。	
国際出願番号 ＰＣＴ／ＪＰ９６／０２１１３	国際出願日 （日.月.年）　２６．０７．９６	優先日 （日.月.年）　２８．０７．９５
出願人（氏名又は名称） 株式会社　紀文食品		

国際調査機関が作成したこの国際調査報告を法施行規則第41条（ＰＣＴ１８条）の規定に従い出願人に送付する。
この写しは国際事務局にも送付される。

この国際調査報告は、全部で　2　ページである。

☐ この調査報告に引用された先行技術文献の写しも添付されている。

1．☐ 請求の範囲の一部の調査ができない（第Ⅰ欄参照）。

2．☐ 発明の単一性が欠如している（第Ⅱ欄参照）。

3．☐ この国際出願は、ヌクレオチド及び／又はアミノ酸配列リストを含んでおり、次の配列リストに基づき国際調査を行った。

- ☐ この国際出願と共に提出されたもの
- ☐ 出願人がこの国際出願とは別に提出したもの
  - ☐ しかし、出願時の国際出願の開示の範囲を越える事項を含まない旨を記載した書面が添付されていない
- ☐ この国際調査機関が書換えたもの

4．発明の名称は　☒ 出願人が提出したものを承認する。

☐ 次に示すように国際調査機関が作成した。

5．要約は　☒ 出願人が提出したものを承認する。

☐ 第Ⅲ欄に示されているように、法施行規則第47条（ＰＣＴ規則38.2(b)）の規定により国際調査機関が作成した。出願人は、この国際調査報告の発送の日から１カ月以内にこの国際調査機関に意見を提出することができる。

6．要約書とともに公表される図は、
第＿＿図とする。☐ 出願人が示したとおりである。　☒ なし

☐ 出願人は図を示さなかった。

☐ 本図は発明の特徴を一層よく表している。

国際調査[redacted]　　国際出願番号[redacted]ＣＴ／ＪＰ９６／０２１１３

A.　発明の属する分野の分類（国際特許分類（ＩＰＣ））
Ｉｎｔ．Ｃｌ[6]　Ａ２３Ｌ　１／３２５，　Ａ２３Ｌ　３／３６５

B.　調査を行った分野
調査を行った最小限資料（国際特許分類（ＩＰＣ））
Ｉｎｔ．Ｃｌ[6]　Ａ２３Ｌ　１／３２５，Ａ２３Ｌ　１／３２６，Ａ２３Ｌ　３／３６，　Ａ２３Ｌ　３／３６５

最小限資料以外の資料で調査を行った分野に含まれるもの

国際調査で使用した電子データベース（データベースの名称、調査に使用した用語）

C.　関連すると認められる文献

引用文献のカテゴリー＊	引用文献名　及び一部の箇所が関連するときは、その関連する箇所の表示	関連する請求の範囲の番号
Ｙ	ＪＰ，５３－３４９５８，Ａ（株式会社カネマル森田商店）３１．３月．１９７８（３１．０３．７８），第１頁特許請求の範囲，第２頁右上欄第１５行－第３頁左上欄第８行　（ファミリーなし）	１－７
Ｙ	ＪＰ，６０－７００４９，Ａ（味の素株式会社）２０．４月．１９８５（２０．０４．８５），特許請求の範囲，実施例２　（ファミリーなし）	１－７
Ｙ	ＪＰ，２－２５３８６０，Ａ（岩井機械工業株式会社），１２．１０月．１９９０（１２．１０．９０），第２頁右下欄第８－１２行，第４頁右下欄第１４行－第５頁右上欄第１４行　（ファミリーなし）	１－７
Ｙ	ＪＰ，６－１３３７３９，Ａ（フロンティアエンジニアリング），１７．５月．１９９４（１７．０５．９４）　（ファミリーなし）	６，７

☐ Ｃ欄の続きにも文献が列挙されている。　　☐ パテントファミリーに関する別紙を参照。

＊　引用文献のカテゴリー
「Ａ」特に関連のある文献ではなく、一般的技術水準を示すもの
「Ｅ」先行文献ではあるが、国際出願日以後に公表されたもの
「Ｌ」優先権主張に疑義を提起する文献又は他の文献の発行日若しくは他の特別な理由を確立するために引用する文献（理由を付す）
「Ｏ」口頭による開示、使用、展示等に言及する文献
「Ｐ」国際出願日前で、かつ優先権の主張の基礎となる出願の日の後に公表された文献
「Ｔ」国際出願日又は優先日後に公表された文献であって出願と矛盾するものではなく、発明の原理又は理論の理解のために引用するもの
「Ｘ」特に関連のある文献であって、当該文献のみで発明の新規性又は進歩性がないと考えられるもの
「Ｙ」特に関連のある文献であって、当該文献と他の１以上の文献との、当業者にとって自明である組合せによって進歩性がないと考えられるもの
「＆」同一パテントファミリー文献

国際調査を完了した日	国際調査報告の発送日
２１．１０．９６	29.10.96

国際調査機関の名称及びあて先	特許庁審査官（権限のある職員）		
日本国特許庁（ＩＳＡ／ＪＰ） 郵便番号１００ 東京都千代田区霞が関三丁目４番３号	植野　浩志　印	４Ｂ	２１２１
	電話番号　０３－３５８１－１１０１　内線　３４４９		

特　許　協　力　条　約

PCT

国際予備審査報告

（法第１２条、法施行規則第56条）
〔ＰＣＴ３６条及びＰＣＴ規則70〕

出願人又は代理人の書類記号　ＹＣＴ－２５３	今後の手続きについては、国際予備審査報告の送付通知（様式ＰＣＴ／ＩＰＥＡ／４１６）を参照すること。	
国際出願番号 ＰＣＴ／ＪＰ９６／０２１１３	国際出願日（日.月.年）　２６．０７．９６	優先日（日.月.年）　２８．０７．９５
国際特許分類（ＩＰＣ） Int.Cl[6]　Ａ２３Ｌ１／３２５，Ａ２３Ｌ１／３２６，Ａ２３Ｌ３／３６，Ａ２３Ｌ３／３６５		
出願人（氏名又は名称） 株式会社　紀文食品		

1．　国際予備審査機関が作成したこの国際予備審査報告を法施行規則第57条（ＰＣＴ３６条）の規定に従い送付する。

2．　この国際予備審査報告は、この表紙を含めて全部で　3　ページからなる。

[X]　この国際予備審査報告には、附属書類、つまり補正されて、この報告の基礎とされた及び／又はこの国際予備審査機関に対してした訂正を含む明細書、請求の範囲及び／又は図面も添付されている。
（ＰＣＴ規則70.16及びＰＣＴ実施細則第６０７号参照）
この附属書類は、全部で　1　ページである。

3．　この国際予備審査報告は、次の内容を含む。

I　[X]　国際予備審査報告の基礎

II　[ ]　優先権

III　[ ]　新規性、進歩性又は産業上の利用可能性についての国際予備審査報告の不作成

IV　[ ]　発明の単一性の欠如

V　[X]　ＰＣＴ３５条(2)に規定する新規性、進歩性又は産業上の利用可能性についての見解、それを裏付けるための文献及び説明

VI　[ ]　ある種の引用文献

VII　[ ]　国際出願の不備

VIII　[ ]　国際出願に対する意見

国際予備審査の請求書を受理した日　２５．０２．９７	国際予備審査報告を作成した日　２４．０９．９７	
名称及びあて先 日本国特許庁（ＩＰＥＡ／ＪＰ） 郵便番号１００ 東京都千代田区霞が関三丁目４番３号	特許庁審査官（権限のある職員）　植野　浩志　印 電話番号　０３－３５８１－１１０１　内線　３４４９	４Ｂ　２１２１

様式ＰＣＴ／ＩＰＥＡ／４０９（表紙）（１９９４年１月）

国際予備審査報告

国際出願番号　ＰＣＴ／ＪＰ９６／０２１１３

Ⅰ．　国際予備審査報告の基礎

1．　この国際予備審査報告は下記の出願書類に基づいて作成された。（法第６条（ＰＣＴ１４条）の規定に基づく命令に応答するために提出された差し替え用紙は、この報告書において「出願時」とする）

☐ 出願時の国際出願書類

☒	明細書	第 1－9	ページ、	出願時のもの
	明細書	第	ページ、	国際予備審査の請求書と共に提出されたもの
	明細書	第	ページ、	付の書簡と共に提出されたもの
	明細書	第	ページ、	付の書簡と共に提出されたもの
☒	請求の範囲	第 1	項、	出願時に提出されたもの
	請求の範囲	第	項、	ＰＣＴ１９条の規定に基づき補正されたもの
	請求の範囲	第	項、	国際予備審査の請求書と共に提出されたもの
	請求の範囲	第 2－9	項、	２８．０７．９７ 付の書簡と共に提出されたもの
	請求の範囲	第	項、	付の書簡と共に提出されたもの
☒	図面	第 1	~~ページ~~図、	出願時に提出されたもの
	図面	第	ページ／図、	国際予備審査の請求書と共に提出されたもの
	図面	第	ページ／図、	付の書簡と共に提出されたもの
	図面	第	ページ／図、	付の書簡と共に提出されたもの

2．　補正により、下記の書類が削除された。

☐ 明細書　第　　ページ
☐ 請求の範囲　第　　項
☐ 図面　第　　ページ／図

3．☐ この国際予備審査報告は、補充欄に示したように、補正が出願時における開示の範囲を越えてされたものと認められるので、その補正がされなかったものとして作成した。（ＰＣＴ規則70.2(c)）

4．　追加の意見（必要ならば）

国際予備審査報告

国際出願番号　ＰＣＴ／ＪＰ９６／０２１１３

Ⅴ．　新規性、進歩性又は産業上の利用可能性についての法第１２条（ＰＣＴ３５条(2)）に定める見解、それを裏付ける文献及び説明

１．　見解

新規性（Ｎ）	請求の範囲	１－９	有
	請求の範囲		無
進歩性（ＩＳ）	請求の範囲	１－９	有
	請求の範囲		無
産業上の利用可能性（ＩＡ）	請求の範囲	１－９	有
	請求の範囲		無

２．　文献及び説明

請求項１－９に記載された発明は、国際調査報告に列記されたいずれの文献と比較しても新規性、進歩性を有するものと認められる。

請求の範囲

1．冷凍魚肉すり身の塊をほぼ均一に破砕し、これを昇温して解凍することを特徴とする冷凍魚肉すり身の解凍方法。

2（補正後）．冷凍魚肉すり身の塊をほぼ均一に破砕して粒状にする、請求項1の解凍方法。

3（補正後）．冷凍魚肉すり身の塊を粗砕してからほぼ均一に破砕する、請求項1の解凍方法。

4（補正後）．冷凍魚肉すり身の塊を２０ｍｍ以下に破砕する、請求項１の解凍方法。

5（補正後）．冷凍魚肉すり身の塊を３－１０ｍｍに破砕する、請求項４の解凍方法。

6（補正後）．破砕した冷凍魚肉すり身をらいかいせずに昇温して解凍する、請求項１－５のいずれかの解凍方法。

7（補正後）．冷凍魚肉すり身の塊をほぼ均一に破砕した後、これを昇温し解凍して魚肉すり身にし、

ピンミキサーを用いて、添加物とともに前記魚肉すり身を攪拌･混合する工程を含む魚肉練り製品の製造方法。

8（追加）．請求項７の方法によって製造した魚肉練り製品原料を、成型し、通電してすり身内部の電気抵抗によって昇温し、予め定められた時間坐り加熱してから加熱する蒲鉾の製造方法。

9（追加）．坐り加熱後の加熱も、さらに通電してすり身内部の電気抵抗によって加熱する請求項６の蒲鉾の製造方法。

Replaced by AR434

C L A I M S

1. A method for thawing frozen ground fish meats which comprises almost uniformly milling a frozen ground fish meat mass and then thawing it by elevating temperature.

2. The thawing method as claimed in Claim 1, wherein said frozen ground fish meat mass is once crushed and then almost uniformly milled.

3. The thawing method as claimed in Claim 1 or 2, wherein said frozen ground fish meat mass is milled into pieces of 20 mm or less in size.

4. The thawing method as claimed in Claim 1 or 2, wherein said frozen ground fish meat mass is milled into pieces of 3 to 10 mm in size.

5. A process for producing materials for fish paste products which involves the step of almost uniformly milling a frozen ground fish meat mass, thawing it by elevating temperature to give a ground fish meat; and the step of mixing under stirring said ground fish meat together with additives with the use of a pin mixer.

6. A process for producing kamaboko which comprises molding a material for fish paste products produced by the process as claimed in Claim 5, passing electric current therethrough, thus heating the molded products due to the electrical resistance within the same, subjecting the products to suwari gelation by heating for a definite time and then further heating the same.

7. The process for producing kamaboko as claimed in Claim 6, wherein the heating following the suwari gelation is also carried out by passing electric current therethrough and thus heating the molded products due to the electrical resistance within the same.